

Cytometer Performance Report

Cytometer: FACSCantoII
 Cytometer Name: FACSCantoII
 Serial Number: V33896201821
 Input Device: Manual
 Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 06/05/2017 01:14 PM
 Cytometer Baseline: 04/21/2017 12:22 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 25720, Expiration Date: 06/30/2017
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124791	-1	2.22	124591	2.20
Blue	F	SSC	125000	124781	-1	2.76	125189	2.52
Blue	E	FITC	23355	22620	-4	2.37	1005	10.08
Blue	D	PE	28848	28440	-2	1.93	1024	9.52
Blue	B	PerCP-Cy5-5	47791	47361	-1	3.24	1362	16.66
Blue	A	PE-Cy7	41358	40577	-2	4.87	632	34.83
Red	C	APC	51316	50239	-3	2.69	2911	9.24
Red	A	APC-Cy7	53225	52963	-1	2.74	1093	11.21
Violet	B	V450	14473	13732	-6	3.38	662	9.03
Violet	A	V500	59973	58930	-2	3.19	2616	6.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17103	7.07	603	5	N/A	N/A	Pass
Blue	F	SSC	61667	1.55	538	4	N/A	N/A	Pass
Blue	E	FITC	117	38.31	542	-2	0.0218	212	Pass
Blue	D	PE	226	27.58	537	-1	0.1654	212	Pass
Blue	B	PerCP-Cy5-5	214	43.66	629	-1	0.0103	73	Pass
Blue	A	PE-Cy7	71	115.31	679	-2	0.0123	16	Pass
Red	C	APC	341	27.46	590	-4	0.0214	103	Pass
Red	A	APC-Cy7	120	40.95	572	-4	0.0056	1791	Pass
Violet	B	V450	80	42.15	476	5	0.0403	1622	Pass
Violet	A	V500	192	21.96	509	8	0.0146	325	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
 Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-31.80	0.79
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	18.37	13.27 - 19.91	N/A	N/A	31.79	32.37	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments